

Title (en)

A DUAL BAND DIVERSITY WLAN ANTENNA SYSTEM FOR LAPTOP COMPUTERS, PRINTERS AND SIMILAR DEVICES

Title (de)

ZWEIBAND-DIVERSITY-WLAN-ANTENNENSYSTEM FÜR LAPTOP-COMPUTER, DRUCKER UND ÄHNLICHE EINRICHTUNGEN

Title (fr)

SYSTEME D'ANTENNE A DEUX BANDES A RECEPTION SIMULTANEE D'UN RESEAU LOCAL SANS FIL POUR ORDINATEURS PORTATIFS, IMPRIMANTES ET DISPOSITIFS ANALOGUES

Publication

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Application

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Priority

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Abstract (en)

[origin: US2007164904A1] There is disclosed a dual band antenna device including a dielectric substrate (6) having opposed first and second surfaces and a groundplane (7) on the second surface. A microstrip transmission line (4) is provided on the first surface, and a dielectric pellet (5) is mounted on the first surface on the microstrip transmission line (4). A bifurcated planar inverted-L antenna (PILA) component (1) is also mounted on the first surface, the PILA component (1) having first (2) and second (3) arms which extend over and contact a surface of the dielectric pellet (5). The first arm (3) contacts a different area of the surface of the dielectric pellet (5) than the second arm (2). The antenna device provides good operation at both 2.4GHz and 5.5GHz frequency bands.

IPC 8 full level

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CPC (source: EP GB US)

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